

Investigation of the Interfacial
Tension of Crude Oils at the Gas-Phase
Boundary as a Function of Pressure
and Temperature, by N. N. Koshkov,
M. N. Likhman, A. Ya. Koshovik, 18 pp.
RUSSIAN, per, Trudy. Institut Neftokhimi-
cheskoi i Obozret. Prikladn. Khimii, Vol 14,
1955, pp 115-134.
AEB-95878R

136.347

Vendel'shtein, B. Yu.

RELATION BETWEEN THE PARAMETERS OF THE
ELECTRICAL DOUBLE LAYER ON THE SURFACE
OF ROCK PARTICLES AND THE DIFFUSION-
ADSORPTION E.M.F. [1963] 10p.

Order from ATS \$13.65

ATS-24Q69R

~~Trans. of Institute of Metallurgy and General
Engineering (Moscow): Tsvetnyy (Color) 1958, v. 22,
p. 115-125.~~

DESCRIPTORS: *Electrical double layer, Surfaces,
Rock (Geology), Particles, Diffusion, Adsorption.

(Earth Sciences--Geology, TT, v. 10, no. 5)

63-17371

I. Title: Electromotive force

I. Vendel'shtein, B. Yu.

II. ATS-24 Q69R

III. Associated Technical
Services, Inc.,
East Orange, N. J.

Office of Technical Services

Alkylation of Phenol with Olefins in
the Presence of Catalysts Containing
Boron Fluoride, by A. V. Topchiev,
B. M. Tumerman.

RUSSIAN, per, Trudy Instit Neftekhimicheskoi
i Gazovoi Promyshlennosti, Vol XXIII, 1958,
pp 9-21.

TS 39R77R

Apr 67

323,039

Shreiner, L. A. and Pavlova, N. N.
EXPERIMENTAL DATA ON THE FATIGUE BREAK-
DOWN OF ROCKS. [1961] 7p.
Order from ATS \$10.00

ATS-93N53R

Trans. of Akademiya Nauk SSSR, Inst. [itot] Nefti.
(Trans. 1958, v. 11, p. 46-52.

DESCRIPTORS: Fatigue (Mechanics), *Rocks, USSR,
Experimental data.

61-25479

(Earth Sciences--Geology, TT, v. 6, no. 11)

61-25479

- I. Shreiner, L. A.
- II. Pavlova, N. N.
- III. ATS-93N53R
- IV. Associated Technical
Services, Inc.,
East Orange, N. J.

Office of Technical Services

Titkov, N. I., Korzhuev, A. S. and others.
USE OF ELECTRIC CURRENT FOR STRENGTHEN-
ING FORMATIONS ON THE WALLS OF WELLS.
[1961] 27p.

Order from ATS \$42.85

ATS-52N54R

Trans. of [Akademiya Nauk SSSR]. [Inst[itut] Nefti.
Trudy, 1958, v. 11, p. 85-110.

DESCRIPTORS: *Electric currents, *Walls.

RJ-3478

(Engineering--Civil, TT, v. 7, no. 2)

61-25638

- I. Titkov, N. I.
- II. Korzhuev, A. S.
- III. ATS-52N54R
- IV. Associated Technical
Services, Inc.,
East Orange, N. J.

185325

Office of Technical Services

Kapelyushnikov, M. A., Zaks, S. L., and
Burmistrova, V. F.
INCREASING OIL RECOVERY BY INJECTING HIGH-
PRESSURE GAS INTO A PARTIALLY DEPLETED
FORMATION. [1961] 20p.
Order from ATS \$30.45

ATS-76N35R

Trans. of Akademiya Nauk SSSR, Inst. [ituz] Nefti.
Trudy, 1958, v. 11, p. 209-227.

DESCRIPTORS: Petroleum, Recovery, Gases,
Injection.

(Earth Sciences--Geology, TT, v. 7, no. 3)

62-12162

- I. Kapelyushnikov, M. A.
- II. Zaks, S. L.
- III. Burmistrova, V. F.
- IV. ATS-76N35R
- V. Associated Technical
Services, Inc.,
East Orange, N. J.

Office of Technical Services

Shneerson, V. B.
CHANGE IN THE WETTABILITY OF OIL RESER-
VOIR ROCKS IN CONTACT WITH DIFFERENT
GASES AT HIGH PRESSURES. [1961] 11p.
Order from ATS \$15.30 ATS-71N53R

Trans. of Akad[emiya] Nauk SSSR. Inst[itut] Nefti.
(Study) 1968, v. 11, p. 283-293.

DESCRIPTORS: Geochemistry, *Rock, *Petroleum,
*Porous materials

(Earth Sciences--Geology, TT, v. 7, no. 4)

61-25467

- I. Shneerson, V. B.
- II. ATS-71N53R
- III. Associated Technical
Services, Inc., East
Orange, N. J.

Office of Technical Services

Sergienko, S. R., Davydov, B. E. and others.
CERTAIN PHYSICO-CHEMICAL PROPERTIES OF
PETROLEUM ASPHALTENES AND TARS IN
SOLUTION. [1963] 11p. 5 refs.
Order from OTS or SLA \$1.60

63-18054

Trans. of Akademiya Nauk SSSR. Isstuzh. Nefti. Trudy.
1958, v. 12, p. 76-82.

DESCRIPTORS: *Petroleum, *Tar, *Bitumens,
Asphalt, Solutions, Physical properties, Chemical
properties, Molecular weight, Polarization, Dielectric
properties, Molecular association, Solvents, Benzenes,
Nitrobenzenes, Naphthalenes.

Solutions of tars and asphaltenes in benzene, nitro-
benzene, and naphthalene were measured cryos-
copically, and the association of tars and asphaltenes
from Romushki oil in the solutions was shown to depend
(Chemistry-Physical, TT, v. 10, no. 6) (over)

63-18054

- I. Title: Asphaltenes
- I. Sergienko, S. R.
- II. Davydov, B. E.

Office of Technical Services

Some Features of the Decomposition Reaction of
Carbon Monoxide Into C and CO_2 in the Presence
of Fused-Iron ~~Extrapolated~~ Catalysts, by A. N.
Kashchirov, E. V. Kamzolkina, Yu. B. Kagan, 24 pp.

RUSSIAN, per. Trudy Inst Neft, Ak Nauk SSSR,
No 12, 1958, pp 213-227. 9097053

AEC NP Tr-832

NEE 1000

190, 5'7

Sci Chem
Apr 62

Activity and Structure of Alumina and Its
Luminescence Properties, by F. V. Korenevskaya,
V. V. Schächekin, 5 pp.

RUSSIAN, per, ~~Trudy Ak. Nauk SSSR, Inst~~
fiz., Vol XII, 1958, pp 267-271.

ATS-CAMLR
FTD/RJ-2520

Sci.
Vol. IV, No 11
May 62

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Results of Hydrochemical Survey in the
Murmansk Trough, by V. G. Glezer. UNCL

RUSSIAN, per, Trudy Inst Neft Ak Nauk SSSR,
Vol 11, 1959, pp 68-80.

ATS RJ-1843

Sci - Geophya
Jan 60

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Sergienko, S. R., Gordash, Yu. T. and others.
THE STRUCTURE OF NAPHTHALENE HOMO-
LOGUES IN THE HIGH-MOLECULAR-WEIGHT
FRACTION OF PETROLEUM (O Stroenli Gomologov
Naftal'na Sot'erzhaschikhsya v Vysokomolekulyarnoi
Chasti Nefti) tr. by E. Feigl. [1961] [35]p. (foreign
text included) 8 refs. [CSIRO] Trans. no. 5118.
Order from OTS or SLA \$3.60 61-28158

Trans. of [Akademiya Nauk SSSR]. Institut Nefti.
Trudy, 1959, v. 13, p. 80-96.

DESCRIPTORS: *Petroleum, *Naphthalenes, *Hydro-
carbons, Molecular structure, Molecular weight,
Physical chemistry, Ultraviolet spectroscopy, In-
frared spectroscopy, Fractionation, Hydrogenation.

The chemical nature of condensed aromatic hydrocar-
bons of high molecular weight in Radchenkovo crude
(Chemistry Organic, TT, v. 7, no. 7) (over)

61-28158

- I. Sergienko, S. R.
- II. Gordash, Yu. T.
- III. CSIRO Trans-5118
- IV. Commonwealth Scientific
and Industrial Research
Organization (Australia)

Office of Technical Services

High Speed Contact Cracking, by A.
M. Irvanov, A. E. Baryshnikov, 21 pp.
RUSSIAN, per, Energy and Power
Mag., Industrial Mag., Vol 13, 1979,
pp. 224-240.
OIR TT-67-00499

396,322

Ref.
Aug: 67

Topchiev, A.V., Kaptsov, N.N. and
Balitskaya, I.E.

PRÉPARATION DES DÉRIVÉS NITRÉS À PARTIR
DES OXIMES (Poluchenie Nitro Soedinenii iz Oksii-
mov) [Producing Nitro Compounds from Oximes].
20p. (foreign text included) 23refs. CNRS-VIII 147.
Order from OTS, ETC or CNRS \$1.60 TT-63-26832

Trans. in French of Akademiya Nauk SSSR. Institut
Nefti. Trudy, 1960, v. 14, p. 90-97.

DESCRIPTORS: Transformations, Organic com-
pounds, Nitration, Oxidizers, Chemical reactions.
*Organic nitrogen compounds, *Oximes

(Chemistry--Organic, TT, v. 11, no. 11)

TT-63-26832

- I. Topchiev, A.V.
- II. Kaptsov, N.N.
- III. Balitskaya, I.E.
- IV. CNRS-VIII 147
- V. Centre National de la
Recherche Scientifique,
Paris

Office of Technical Services
European Translations Centre

Telenga, N. A.
METHODS OF IMPROVING CHEMICAL PEST CONTROL IN DIRECTION OF PRESERVING USEFUL ENTOMOPHAGES. [1961] [9]p. 5 refs.
Order from OTS or SLA \$1.10 61-23712

Trans. of [Ukrains'kyi Naukovo-Doslidnyi Instytut Zakhystu Roslyn (Nauchnye Trudy) (USSR) 1959, v. 8, p. 5-15.

DESCRIPTORS: *Pest control, Chemicals, Insects, Preservation, *Insecticides, Pesticides.

(Agriculture--Plant Cultivation, TT, v. 10, no. 6)

61-23712

- I. Title: Entomophages
- I. Telenga, N. A.
- II. Translations, New York

Office of Technical Services

The Influence of Oxygen on the Physicochemical
Properties of Bitumen and Bituminous Mastics, by
T. M. Bogoslenskaya, et al. UNCL

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SSR, Vol II, 1958, pp 93-99.

DSIR LIU RTS 1168

17a. 6d.

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Sci - Chem
Sep 59

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INVESTIGATION OF PETROLEUM PRODUCTS AS EXTENDERS
IN BUTADIENE-STYRENE STOCKS, BY G. E. BETTS, ET AL.
RESTRICTED

RUSSIAN, TRUDY NIISHP, VOL V, 1960, PP 5-20.

RAPRA 990

SCI - FUELS

NOV 62

216,710

Vapor Pressures of Wide Oil Fractions,
by S. N. Obryadchikov, 17 pp.
RUSSIAN, per, Trudy Inst Neft i Gazov Prom,
1939, pp 129-142.
CFBTI TT-61-18113

Sci -
Jul 66

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Simultaneous Transport of Petroleum and
Water in Pipe Lines, by V. I. Chernikin, 11 pp.
RUSSIAN, per, Tr Inst Neft i Gazov Prom,
Vol XVII, 1956, pp 101-111.
ATS-07R77R

Sci -
Jul 66

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Ryabinkin, L. A. and Znamenski, V. V.
NEW DATA ON THE RECORDING OF MULTIPLE
WAVES IN SEISMIC PROSPECTING. [1962] 16p.
15 refs.

Order from QTS or SLA \$1.60

63-10283

Trans. of ~~Institut Neftkhimicheskoi i Gazovoi~~
~~Promyshlennosti~~, ~~Trudy (USSR)~~ 1957, v. 18,
p. 157-167 (pub. in abridged form in Akademiya Nauk
SSSR. Izvestiya. Ser[iya] Geofiz[icheskaya] 1956,
no. 11).

DESCRIPTORS: *Geophysical prospecting, *Seismic
waves, Reflection, Refraction, Multipath transmis-
sion, Propagation, Seismographs, Wave analysis.

(Earth Sciences--Seismology, TT, v. 10, no. 2)

63-10283

I. Ryabinkin, L. A.
II. Znamenski, V. V.

Office of Technical Services

63-10304

I. Ryabinkin, L. A.

Ryabinkin, L. A.
USE OF REPRODUCIBLE PHOTORECORDS IN
SEISMIC PROSPECTING. [1962] 16p. 18 refs.

Order from OTS or SLA \$1.60 63-10304

Trans. of Institut Neftekhimicheskoi i Gazovoi
Promyshlennosti. Study (USSR) 1959, v. 34, p. 95-106.

DESCRIPTORS: *Geophysical prospecting, *Seismic
waves, Seismographs, *Records, Reproduction,
*Photographic recording systems, Frequency, Analysis.

(Earthquake technology, ITT, v. 10, no. 2)

Office of Technical Services

Vendel'shtein, B. Yu.
SOME CHARACTERISTIC OF THE DIFFUSION-
ADSORPTION POTENTIALS OF ROCKS. [1963] 14p.
Order from ATS \$16.85 ATS-23Q69R

Trans. of Inst[itu] Neftekhim[icheskoi] i Gaz[ovoi]
Promyshlennosti [Trudy] (USSR) 1959, v. 25,
p. 268-284.

DESCRIPTORS: *Rock (Geology), Diffusion,
Adsorption.

(Earth Sciences--Geology, TT, v. 10, no. 5)

63-17458

I. Vendel'shtein, B. Yu.
II. ATS-23Q69R
III. Associated Technical
Services, Inc.,
East Orange, N. J.

Office of Technical Services

The Influence of Chemical Nature and Structure
of High Polymer Additions Upon Viscosity of Oils
of Various Chemical Composition, by
D. S. Velikovskiy, L. V. Chervova.

RUSSIAN, per, Trudy Inst Neftekhim i Gazovoy
Prom, 1960, pp 44-55.

* FTD-MT-64-512
GOV'T USE ONLY

Sci -
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Synthesis of New Anti-Oxidant Additions,
by V. I. Isagulyants.

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Prom, 1960, pp 56-67.

*FTD-MT-64-512
GOV'T US ONLY

Sci -
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Problem of the Movement of the Interface
During Two-Phase Flow, by V. N. Donetskiy
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NTS RJ-4497

Sci-
Apr 67

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Thixotropic Properties of Consistent Greases,
by V. V. Vaynshtok, 13 pp.

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himicheskoy i Gazovoy Promyshlennosti, No 32,
1960, pp 116-129.

FTD S-771

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aug 69

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Charnyi, I. A.

FLOW IN A RESERVOIR WITH IMPERMEABLE TOP
AND BOTTOM DIVIDED BY A LOW-PERMEABILITY
DAM. [1963] 7p.

Order from ATS \$8.00

ATS-32Q71R

Trans. of Inst[itu] Neftekhim[icheskoi] i Gaz[ovoi]
Prom[yshlennosti]. Tr[udy] (USSR) 1961, v. 33,
p. 122-130.

DESCRIPTORS: Fluid flow, Stratigraphy, Permeability,
Dams, Hydraulic accumulators.

(Earth Sciences--Geology, TT, v. 10, no. 10)

63-22353

I. Charnyi, I. A.

II. ATS-32Q71R

III. Associated Technical
Services, Inc.,
East Orange, N. J.

ATS RJ-4495

Office of Technical Services

Gusein-Zade, M. A. and Khann, Kou-zhen.
UNSTEADY-STATE FLOW OF FLUID IN A
NONUNIFORM RESERVOIR HAVING A LOW-
PERMEABILITY DAM. [1963] 11p.
Order from ATS \$9.85

ATS-SIQ71R

Trans. of Inst. of Petroleum (chemical) & Gas (oil)
From (Soviet Union) Trans. (USSR) 1961, v. 33,
p. 296-304.

DESCRIPTORS: Fluid flow, Stratigraphy, Permeability,
Dams, Hydraulic accumulators.

(Earth Sciences--Geology, TT, v. 10, no. 10)

63-22352

- I. Gusein-Zade, M. A.
- II. Khann, Kou-zhen
- III. ATS-SIQ71R
- IV. Associated Technical
Services, Inc.,
East Orange, N. J.

ATS RJ-4496

Office of Technical Services

Calculation of the Neutron Characteristics of
Rocks, by I. A. Koshovnikov, 39 pp.
RUSSIAN, rev, Inst. Neutr. Inst. Neft. 1
Gosvot Prom, Vol 21, 1963, pp 54-75.
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ARC INCL 27-10057

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Sci - Nuclear Science
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Relation Between the Processes of Crystallization of Paraffin Hydrocarbons and Their Precipitation on a Solid Surface, by R. S.

Anriasov. llp.

RUSSIAN, per, Trudy Institut Neftekhimicheskoi i Gazovoi Promyshlennosti, Vol 42, 1963,

SLA TT-66-10301

Sci-Indus Civil Engr

Sept 66

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New Iron-Containing Monomers and Polymers from
Five-Membered Naphthenes, by Ya. M. Paushkin,
T. P. Vishnyakova, 13 pp.
RUSSIAN, per. Moscow. Institut Neftkhimicheskoy
i Gazovoy Promyshlennosti. Trudy, No 44, 1963,
pp 15-26. F100080668-V
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Sci-Mat
May 68

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Methods of Complex Evaluation of Optical Lubri-
cants, by R. A. Lovento. 12 pp.

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1963, pp 251-257. P100020266

FTD-TT-68-1506

Sci/Physics
Sep 66

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Magnetic Properties of Polymers Containing
Ferrocene, by P. M. Belash, Ya. M. Paushkin,
10 pp.

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PTD-TT-65-2043

Sci - Phys
Nov 66

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Alkylation of Phenol by M-Olefins with
Catalysts Containing Boron Trifluoride,
A. V. Topchiev, B. M. Tunerman, Ts. A.
Solov'eva.

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1964, pp. 19-24.

NTC 69-10727-07C

Sci -Chem
July 69

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Ferrromagnetic Resonance and the Faraday Effect
in Some Ferrites with a Spinel and Garnet Struc-
ture, by V. P. Balov and A. M. Nechushkin, 6 pp.
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Promyshlennosti. Trudy, No 52, 1964, pp 133-135.

F100049065-V

FTD-HT-67-165

Sci-Mat
Apr 68

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CLADDING SAP, BY A. I. KOLPASHNIKOV, YU V
DMITRIYEV, ET AL, 6 PP.

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PROTSSESSY PRI OBRABOTKE METALLOV DAVLENIYEM,
1963, PP 99-103.

JPRS 22219

SCI-MAT & MED

DEC 63

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METHODS OF INCREASING THE WEIGHT OF BLANKS FOR
ROLLING SAP SHEET, BY A. I. KOLPASHNIKOV, G. N.
SHLENSKIY, 7 PP.

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PROTSSESSY PRI OBRABOTKE METALLOV DAVLENIYEM,
1963, PP 104-109.

JPRS 22219

SCI-MAT L. MEET
DEC 63

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COMPARATIVE EVALUATION OF THE WELDABILITY OF CLAD
AND NONCLAD SAP BY RESISTANCE WELDING METHODS,
BY YU. V. DMITRIYEV, B. D. ORLOV, 7 PP

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1963, PP 114-119.

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SCI-MAT & MET
DEC 63

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TECHNOLOGY FOR SPOT AND ROLLER ELECTRIC WELDING
OF CLAD SAP, BY B. D. ORLOV, YU. V. DMITRIYEV,
8 PP.

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1963, PP 120-126.

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SC - MAT & MET
DEC 63

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Spravochnik po Plavkosti Sistem iz Bezdvodnyik
Neorganicheskikh Solei, by N. K. Voskresenskaya.
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khima, Ak Nauk SSSR, Vol I, 1961, pp 2-8;
Vol II, 1961, pp 1-7.
*CFSTI TT 67-51424

Jun 67

Influence of X-Rays on the Incorporation of Deoxyribo-
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Vitro, by J. Jasinska, A. Michalowski.

RUSSIAN, per, Trudy Inst Oncology, 1962.

*FTD-TT-63-1176

Sci - Biol & Med Sci
Jan 64

Utilizing Evaporation Data in Hydrometeorological Computations,
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RUSSIAN, ~~XXX~~ per, Trudy Inst Odesskogo Gidro, No 17, 1958,
pp 119-129.

GTS 63-11148
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Sci - Earth Sci & Astron
Mar 64

7ST 760

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"DIURNAL Vertical Migration of Zooplankton in Polar Seas"

V. G. Bogorov

Proj 2732

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The Microflora of Arctic Ice, by P. I. Usachev.

93 pp.

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Sci-B&M

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Vol VI (1951) by V. N. Nikitin (editor)

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SR 3.10.51

On Calculating the True Chlorinity and Density of the
Water in the Caspian Sea, by S. V. Ermyevich, 10 pp.
UNCLASSIFIED

RUSSIAN, per, Trudy Inst Okeanol, Vol II, Academy of
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Navy Tr 242/U.O.

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USSR - Caspian Sea
Scientific - Geophysics

Geographic Distribution of Representatives of the
Order Laminariales in the Northern Part of the Pacific
Ocean - Bering Sea, by T. F. Sachapova. UNCLASSIFIED

Full translation.

RUSSIAN, ^{FI} Inst Oceanolog, Vol II, 1948, pp 125-128.

Navy Tr 816/EO 127

Scientific + Geophysics

Aug 53 CTS

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Isothermic Maps of the Northern Part of the Pacific
Ocean, by A. D. Dobrovolskiy, 14 pp.

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Vol II, 1948.

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USSR
Geographic
Nov 1950

Hydraulic Extrusion of Cores From Core Samplers,
by E. I. Rudinov

RUSSIAN, irreg per, Trudy Inst Okeanol,
Vol V, 1951, pp 11-13.

Navy Tr 1337/RO Tr 380

Sol - Engineering
Dec 56 GTS

41,163

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Experience in Working With Impact Core-
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Akad. Nauk SSSR, Vol 5, 1951, pp 14-16.
DRI Canada T.370.R

Sci/HQM
Aug 65

287,430

The Anchor Driftograph, by N. N. Sysoyev,
3 pp.

RUSSIAN, per, Trudy Instituta Okeanologii, Vol V,
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DRB Canada: T 364 R

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Sci Geophy

Mar 62

(IND 22323)

Vertical Stability of Water Layers as an Important
Oceanological Characteristic, by G. N. Ivanov-
Frantskevich, 36 pp.

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CIA/FDE/U-6780

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Scientific - Geophysics, oceanology

CTS 63/Dec 54

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Sci Mus Lib Tr 57/2567

Sci - Biol
Sep 58

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(FDD 22334)

Procedure for Measurement of Currents in Drift,
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RUSSIAN, per, Trudy Instituta Okeanologii,
Vol VII, Moscow, 1953, pp 320-326.

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USSR

Scientific - Geophysics, drift currents

CTS 63/Dec 54

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Secular Variations of the Ice Cover in the
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Maksimov.

RUSSIAN, per, Trudy Akademii nauk SSSR.
Institut Oceanologii, Vol. 8, 1954, pp 41-91.
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